Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/20/2020 10:09 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124508	-1	3.63	124563	3.61
Blue	F	SSC	125000	123597	-2	1.81	124373	1.79
Blue	E	FITC	15892	15432	-3	2.85	336	20.72
Blue	D	PE	29999	29355	-3	2.05	638	15.34
Blue	B	PerCP-Cy5-5	43732	43425	-1	3.80	1166	20.54
Blue	A	PE-Cy7	30845	30485	-2	6.09	580	41.66
Red	C	APC	46112	45267	-2	2.46	1598	12.43
Red	A	APC-Cy7	30458	29896	-2	2.40	795	12.26
Violet	B	V450	7918	7438	-7	4.36	416	13.51
Violet	A	V500	32171	30705	-5	4.09	715	10.77

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17216	20.15	623	2	N/A	N/A	Pass
Blue	F	SSC	56234	1.37	562	3	N/A	N/A	Pass
Blue	E	FITC	61	67.07	544	1	0.0191	175	Pass
Blue	D	PE	135	49.96	550	2	0.1412	228	Pass
Blue	B	PerCP-Cy5-5	215	50.43	659	3	0.0089	66	Pass
Blue	A	PE-Cy7	105	102.96	701	3	0.0104	11	Pass
Red	C	APC	382	25.48	589	5	0.0228	102	Pass
Red	A	APC-Cy7	175	28.24	561	5	0.0051	467	Pass
Violet	B	V450	62	61.19	461	3	0.0460	1820	Pass
Violet	A	V500	106	33.25	478	4	0.0207	514	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.66	-31.85	1.00
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.47
Red	15.49	13.60 - 20.40	N/A	N/A	29.13	29.86	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9800

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments